

Title (en)
Apparatus for light reflection measurements

Title (de)
Vorrichtung für Lichtreflexionsmessungen

Title (fr)
Appareil pour des mesures de réflexion de la lumière

Publication
EP 0777119 A3 19980909 (DE)

Application
EP 96118421 A 19961116

Priority
DE 19544501 A 19951129

Abstract (en)
[origin: EP0777119A2] The system operates on e.g. object (6) to be measured. The measurement head (1) with contact surface (3) is applied at a boundary surface (5) of the object. A light radiation unit has a light transmitter (20) and a detector (8) with a light receiver (21), for detecting the light leaving the object. The contact surface (3) has at least one optically transparent light passage points (13,14) for the light. A multiple of rigid light conducting elements is arranged at these light passage points. By the assembly of the light elements of a light passage point, an optical communication is produced for a light transmitter or a light receiver, allocated to one of the light passage points (13,14).

IPC 1-7
G01N 21/47; **A61B 5/00**

IPC 8 full level
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CPC (source: EP US)
A61B 5/0059 (2013.01 - EP US); **A61B 5/14552** (2013.01 - EP US); **G01N 21/474** (2013.01 - EP US)

Citation (search report)

- [XY] US 5299570 A 19940405 - HATSCHEK RUDOLF A [CH]
- [YA] US 5259057 A 19931102 - COOK LEE M [US]
- [E] GB 2304187 A 19970312 - DIA STRON LTD [GB]
- [XA] EP 0656536 A1 19950607 - HAMAMATSU PHOTONICS KK [JP]
- [XP] EP 0728440 A2 19960828 - OTT LUTZ [DE]
- [YA] DE 4314835 A1 19941110 - BOEHRINGER MANNHEIM GMBH [DE]

Cited by
WO9853739A1; US6119031A; EP3050502A1; US6405073B1; US9773937B2; WO9807021A1; WO9916344A1

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